

REMARKS

Claims 1-7 and 9-18 are pending herein.

I. The claim amendments can be entered after final rejection under 37 CFR 1.116.

Applicants respectfully believe that the amendments to claim 9 are minor changes to the wording of the claim. Therefore, it is respectfully believed that no new search is required and the amendments can be entered. No new matter is introduced by the amendments.

Regarding the amendments to claims 10 and 13, applicants respectfully believe that the amendments are minor changes and do not require a new search, and therefore the amendments can be entered.

II. Claim objections based on informalities.

The USPTO respectfully objects to claims 8-15 because of formalities. It is respectfully believed that these informalities have been addressed.

III. The obviousness rejections based on Sasaki et al. (US 6,357,514) in view of Zeighami et al. (US 2003/0183371).

The USPTO respectfully rejects Claims 8-15 under U.S.C. § 103(a) as being obvious over Sasaki et al. in view of Zeighami et al. Of these, claim 8 is cancelled and claim 9 is an independent claim.

A. The cited references do not teach or suggest a concave portion on both sides of the slits, as claimed in claim 9.

Claim 9 claims in relevant part:

“a metal shield plate having a plurality of slits including linear or curved portion into which said respective heat dissipating ~~portions~~ fins are inserted ~~while being bent along said slits and press-connected thereto with use of while being bent along said slits~~ to said metal shielding plate by forming a concave portion on both sides of said slits;” (emphasis added)

No new matter is introduced by these amendments. Support for the amendments can be found on page 12 of the present specification and present Figure 7. Regarding these limitations, it is respectfully not seen where the cited references teach or suggest the claimed structure quoted above.

Specifically, Sasaki discloses a plurality of slits 12, as seen in Figure 4 of Sasaki. However, it is respectfully asserted that **Sasaki does not teach any concave portions on the sides of the slits**, as specifically claimed in claim 9. Instead of using concave portions to fix the fins to a metal shielding plate, Sasaki uses fitting member 3 to secure heat dissipating fin 2 against base member 1. In other words, heat dissipating fins 2 **are sandwiched** between the base member 1 and fitting member 3. Thus, it is respectfully asserted that Sasaki does not teach concave portions on both sides of the slits, as claimed in claim 9.

Furthermore, Zeighami does not appear to overcome this deficiency in Sasaki. Zeighami respectfully does not appear to teach or suggest any slits, nor does Zeighami teach or suggest any concave portions formed around slits.

In contrast, present Figure 7 illustrates one possible embodiment of the structure claimed in claim 9. As seen in present Figure 7, heat dissipating portion 4 is inserted in a slit in upper portion 9 of a metal plate member. As clearly seen in Figure 7, there is **a concave portion 14 on both sides of the slit**, as claimed in claim 9.

Thus, it is respectfully asserted the cited references, taken either alone or in combination do not teach or suggest all the claimed limitations of claim 9. Therefore, it is respectfully asserted that claim 9 is not obvious over the cited references.

B. Further explanation to distinguish from the cited references.

The Sasaki reference discloses a heat sink provided with a mountain shaped fin, as seen in Figure 1 of Sasaki and explained at column 5, lines 12-22. A mountain shaped fin is difficult to fabricate, and it is also difficult to fix to the base member. The mountain shaped fin is fixed to a base plate that can function as a shielding plate. However, the main function of the base plate in Sasaki is to fix the mountain shaped fin.

In contrast, in the present application a plate-like metal heat dissipating fin is inserted into the slit provided in the shield metal plate. The fin is inserted into the slit of the metal shielding plate and press-connected to the plate by forming a concave portion.

Additionally, claim 9 claims a metal shielding plate that is different from the cited references. Applicants respectfully believe that this specifically claimed metal shielding plate 9 is different from base member 1 of Sasaki cited by the USPTO.

Thus, it is respectfully believed that the cited references, taken either alone or in combination, do not teach all the limitations of claim 9, and therefore claim 9 is not obvious over the cited references.

C. The dependent claims.

As noted above, it is respectfully asserted that independent claim 9 is allowable. Therefore, it is further respectfully asserted that dependent claims 10-15 are also allowable.

IV. Conclusion.

Reconsideration and allowance of all of the claims is respectfully requested.

If there are any additional charges with respect to this Amendment or otherwise, please charge them to Deposit Account No. 06-1130.

Please contact the undersigned for any reason. Applicants seek to cooperate with the Examiner including via telephone if convenient for the Examiner.

Respectfully submitted,

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By _____
/Daniel P. Lent/

Date: December 5, 2006

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